

Title (en)

Ink-jet ink, method for ink-jet printing, ink-jet printing apparatus, ink-jet printing unit and ink cartridge

Title (de)

Tintenstrahlntinte, Tintenstrahldruckverfahren, Tintenstrahl-Druckvorrichtung, Tintenstrahldruckeinheit und Tintenpatrone

Title (fr)

Encre pour impression par jet d'encre, procédé d'impression par jet d'encre, appareil d'impression par jet d'encre, imprimante par jet d'encre et cartouche d'encre

Publication

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Application

**EP 01114976 A 20010620**

Priority

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- JP 2001186689 A 20010620

Abstract (en)

An ink which comprises a first pigment, a second pigment, a polymer dispersant and an aqueous medium; wherein the first pigment is a self-dispersing pigment having on its surface at least one anionic group bonded to the surface directly or via an atomic group, the second pigment is dispersed in the aqueous medium by the polymer dispersant, and the polymer dispersant contains benzylmethacrylate as a monomer unit, or the polymer dispersant contains benzylmethacrylate as a monomer unit. Diffusion of this ink in the printing medium is suppressed in the cross-sectional direction but not horizontal direction. Thus, the ink can form an ink dot that has a proper dot size, uniform and high density in the dot, with little feathering or blur.

IPC 1-7

**C09D 11/00**

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Citation (search report)

- [A] EP 0879857 A2 19981125 - CANON KK [JP]
- [A] EP 0913438 A1 19990506 - CANON KK [JP]

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